



ARCHITECTURE
ENGINEERING

ADDENDUM TO CONTRACT DOCUMENTS

Date: July 8, 2015

To: Bidders

From: Becker Morgan Group, Inc.

Project: Fort Miles Artillery Park Renovations – Phase 1
Cape Henlopen State Park, Lewes, DE

Project Number: BMG Project No. 2012006.00

Subject: **ADDENDUM NO. 02**

NOTICE: Attention is called to the following item(s), effective as of the date above, which shall be added to, deleted from, or changed in the contract documents dated 06/01/2015, and any previously issued addenda, thereby incorporating these items into the contract.

RFI's

Conventional Builders RFI 1	
Item	Description
1	Q: How are the existing artillery pieces mounted to the new artillery pads? If by anchor bolts, what size and how many? A: Anchor bolts and installation, by others.
2	Q: What are the weights of the 6" and 8" artillery pieces? A: See attached Artillery Park Elements REVISED, List of Artillery pieces/parts.
3	Q: Pre-bid minutes item 5(G) Alternate 7 includes gas piping to modular bathhouse. More information is needed on the gas piping – what size of piping, where it connects, etc. No gas piping is shown on the site drawings. A: See Addendum No. 2
Conventional Builders RFI 2	
Item	Description
1	Q: Drawing A501 Detail 4 calls for (2) rows of (5) structural screws. What size is required? Are they to be galvanized or stainless steel? Or, could ½" galvanized lag bolts be used? A: Structural screws shall be Simpson Strong-Drive SDWH TIMBER-HEX HDG screws or ½" galvanized lag bolts (lag bolts must be predrilled). Secure 4x4 wood curb with structural screws or lag bolts at 24" o.c.
2	Q: Drawing S101 Section 1 calls for 10 mil poly. Specification 033000 call for sheet vapor retarder. Please clarify. A: Provide 10 mil polyethylene sheet, per 033000 2.6.A
Conventional Builders RFI 3	
Item	Description
1	Q: Note on the proposed pre-fab bath house Drawing N-03 states "See sheets N-27 thru N-29 for complete systems descriptions". Could these be issued for the interior plumbing details of bath house?

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	A: These drawings are NOT available at this time.	
	Thompson & Sons RFI 1	
Item	Description	
1	<p>Q: Need the Plumbing and Electrical drawings and specs for the bath house.</p> <p>A: Specific plumbing and electrical drawings and specs for the modular bathhouse building are not available at this time. Based on the floor plan provided on Addendum No. 1, the Contractor shall include required engineering and all materials and labor to provide the following:</p> <ol style="list-style-type: none"> 1. Underground sanitary sewer piping from incoming service, 5' outside building, to required stubs to accommodate the modular building. 2. Underground domestic water service piping from incoming service, 5' outside building, to required stub to accommodate the modular building. 3. Underground electrical service conduits from incoming service, 5' outside building, to required stub to accommodate the modular building electrical panel. 4. Final connection of all plumbing, HVAC, gas and electrical connections. 	
2	<p>Q: Questions that our supplier has for the lumber material: under section 1.3 (definitions) lumber of 2" or greater but less than 5" is considered dimension. Under section 2.4 (A) it says use category UC3b or UC4a for treatment retention. Neither of these categories calls for 2.5 #cca. Furthermore, under section 2.4 (D) it says do not use chemicals containing arsenic or chromium. Will you please clarify what treatment you would like me to quote, this spec is a little confusing!?</p> <p>A: Decking, framing and blocking of 2x lumber shall be UC3B (Arsenic and Chromium shall not be used). Treatment such as ACQ, MCA and MCQ are acceptable. Sections 2.4B & 2.4C do not apply.</p>	
3	<p>Q: For our Crane Company: Piling calls for 15' min embedment if piling requires to be longer how will payment be made?</p> <p>A: Provide add / deduct unit pricing for piles. Unit pricing to be per Linear Foot of installed pile. Structural requirement is for a minimum of 15' embedment. Geotechnical report estimates 35 foot embedment for the required 18 Ton Capacity.</p>	
4	<p>Q: For the Gun there are a number of miscellaneous parts to be installed for the gun we need to know where are the parts and who installs them?</p> <p>A: Pending</p>	
5	<p>Q: Are CCR Reports required and if yes who is responsible the contractor or the owner?</p> <p>A: CCR is a requirement of DNREC and will be provided.</p>	
6	<p>Q: Will need Soil Reports for this project. The Structural drawing say that the foundation is on four thousand pound weight bearing. Please clarify.</p> <p>A: Geotechnical Report states 1500 psf bearing capacity for the bathhouse and 4000 psf bearing capacity for mat foundations. Geotechnical Report issued in Addendum #1 and Geotechnical Report Supplement issued in Addendum #2.</p>	
7	<p>Q: House Building pad calls for 12" of 57 stone compact to 95% how do you test the 57 stone? Need Verification.</p> <p>A: Geotechnical report included in Addendum No. 1. Bathhouse shall be set on 6" of CR-1 base course over geotextile over SP soil subbase. See Spec 312001 Structural Foundations.</p>	
8	<p>Q: Need larger formatted drawing for S101 from architect. Not able to view due to size of file size for printing. All other drawings are in standard file form which scale form is fine for take off.</p> <p>A: Included in Addendum No. 2</p>	
	Thompson & Sons RFI 2	
Item	Description	
9	Q: Breech end, Who in to remove split stop rings and bottom key so yoke locking ring can be	

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	<i>install? Also is there a wrench to install yoke locking ring. Approx. 49" ID and 54" OD?</i> <i>A: Pending</i>	
10	<i>Q: Our Crane Company is requesting that there be another meeting to view the Individual parts for installation of the Gun?</i> <i>A: Pending</i>	
11	Q: Who is to supply and Install the Anchorage Bolts for the Alternate Guns and the main gun? A: Anchorage of the artillery guns in the Alternates is by others.	
12	Q: Does the gun carriage need to be shimmed and grouted due to slopes on the concrete pad? If Yes please provide the detail? A: Pile cap under carriage shall be level for bearing of the carriage. Slope top of cap exposed beyond carriage.	
	John L. Briggs RFI 1	
Item	Description	
1	Q: Spec section 067413, Will there be any manufacturers provided for this spec section? A: Included in Addendum No. 2	
	John L. Briggs RFI 2	
Item	Description	
1	Q: Is the 100 AMP Service circuit being taken into a meter? If so, who is supplying the Meter? A: Yes, meter by Contractor, to be installed onto modular building, location to be determined.	

LIST OF ATTACHMENTS

Item	Description	Date
1	Supplemental Geotechnical Report	03/09/15
2	Drawing S101	07/02/15
3	Artillery Park Elements REVISED, List of Artillery pieces/parts	
4	Ft Miles Gun Survey1	

PROJECT MANUAL CHANGES:

Item	Description
1	Section 003132 – Geotechnical Data: A. Add Supplemental Geotechnical Report, dated 03/09/15.
2	Section 011000 – Summary: A. Delete 1.11 in its entirety
3	Section 012300 – Alternates: A. Delete 3.1.G.2.4) in its entirety
4	Section 013233 - Photographic Documentation: A. Delete 1.3.A.3 in its entirety. B. Delete 1.4 in its entirety. C. Delete 3.1.A in its entirety. D. Delete 3.1.B.1 in its entirety E. Delete 3.1.B.2 in its entirety.
5	Section 015000 - Temporary Facilities and Controls: A. Delete 1.3.B in its entirety. B. Delete 1.3.C in its entirety. C. Delete 1.4.D in its entirety. D. Delete 2.1.C in its entirety. E. Delete 2.2.A as written, Substitute as follows:

	<p>A. Field Offices, General: At the discretion of the Contractor, provide prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.</p> <p>F. Delete 2.2.B in its entirety.</p> <p>G. Add the words “as needed” to the end of 2.2.C.</p> <p>H. Delete 2.3.B in its entirety.</p> <p>I. Delete 3.2.E in its entirety.</p> <p>J. Delete 3.2.G in its entirety.</p> <p>K. Delete 3.2.J in its entirety</p> <p>L. Delete 3.2.K in its entirety</p> <p>M. Delete 3.2.L in its entirety</p> <p>N. Delete 3.3.G in its entirety</p> <p>O. Delete 3.3.H in its entirety</p> <p>P. Delete 3.4.L.4 in its entirety</p> <p>Q. Delete 3.5.B in its entirety</p> <p>R. Delete 3.6.B.1 in its entirety</p> <p>S. Delete 3.6.C in its entirety</p>
6	<p>Section 033000 – Cast-in-Place Concrete:</p> <p>A. Add 2.2.E to read as follows:</p> <p>E. Forms for Cylindrical Columns, Pedestals, and Supports: Metal, glass-fiber-reinforced plastic, paper, or fiber tubes that produce surfaces with gradual or abrupt irregularities not exceeding specified formwork surface class. Provide units with sufficient wall thickness to resist plastic concrete loads without detrimental deformation.</p>
7	<p>Section 061063 – Exterior Rough Carpentry:</p> <p>A. Add 2.7 to read as follows:</p> <p>2.7 METAL FRAMING ANCHORS</p> <p>A. Allowable design loads, as published by manufacturer, shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency. Framing anchors shall be punched for fasteners adequate to withstand same loads as framing anchors.</p> <p>B. Hot-Dip, Heavy-Galvanized Steel Sheet: ASTM A 653/A 653M; structural steel (SS), high-strength low-alloy steel Type A (HSLAS Type A), or high-strength low-alloy steel Type B (HSLAS Type B); G185 (Z550) coating designation; and not less than 0.036 inch (0.9 mm) thick.</p> <p>1. Use for wood-preserved-treated lumber and where indicated.</p> <p>C. Joist Hangers: U-shaped joist hangers with 2-inch- (50-mm-) long seat and 1-1/4-inch- (32-mm-) wide nailing flanges at least 85 percent of joist depth.</p> <p>1. Thickness: 16 Gauge (54 mil.)</p> <p>2. Capacity – 1215#.</p>
8	<p>Section 067413 – Fiberglass Reinforced Gratings:</p> <p>A. Add 2.2.B to read as follows:</p> <p>B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:</p> <p>1. All American Grating</p> <p>2. Fibergrate Composite Structures.</p> <p>3. Fisher & Ludlow</p> <p>4. Grating Pacific</p> <p>5. Seasfae Inc.</p>

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	6. Strongwell
9	<p>Section 221113 - Facility Water Distribution:</p> <ul style="list-style-type: none"> A. Delete 1.2.C. B. Delete 1.3.A.2 in its entirety. C. Delete 1.5.D in its entirety. D. Delete 2.10 in its entirety E. Delete 2.11 in its entirety F. Delete 2.12 in its entirety. G. Delete 3.09 in its entirety H. Delete 3.10 in its entirety I. Delete 3.11 in its entirety. J. Delete 3.12 in its entirety.
10	<p>Section 312001 – Structural Foundations:</p> <ul style="list-style-type: none"> A. Delete 2.1 as written, Substitute 2.1 to read as follows: <ul style="list-style-type: none"> 2.1 COMPONENTS <ul style="list-style-type: none"> A. Base Course: AASHTO M 43 #57. B. Bedding Course: ASTM C 33; fine aggregate, natural, or manufactured sand. Less than 10% passing #200 sieve. (concrete sand) B. Add the following to the end of 3.1.A: “Remove all soils with silt contents greater than 15%.” C. Delete 3.2 as written, Substitute as follows: <ul style="list-style-type: none"> 3.2 SUBBASE COURSE <ul style="list-style-type: none"> A. General: Place subbase course on prepared subgrade in layers and not more than Six (6) inches in thickness to required elevations. <ul style="list-style-type: none"> 1. Subbase course thickness shall be as required to replace soils removed and to establish the proper elevations and levelness. 2. Subbase course shall extend at least 24” beyond the building perimeter. 3. Subbase course shall be compacted to 95% maximum dry density per ASTM D-1557, Maintain optimum moisture content for compacting material during placement. D. Delete 3.3 as written, Substitute as follows: <ul style="list-style-type: none"> 3.3 BASE COURSE <ul style="list-style-type: none"> A. General: Bedding course shall be placed over geotextile and Subbase Course. <ul style="list-style-type: none"> 1. Bedding course shall be a minimum of 6” thick. 2. Bedding course shall extend at least 6” beyond the building perimeter. 3. Finished surface of bedding course shall be uniformly level, not varying more than ½” from a true horizontal plane or as required by the structure manufacturer. 4. Stone base course shall be compacted to 95% maximum dry density per ASTM D-1557, Maintain optimum moisture content for compacting material during placement. B. The structural foundations shall have a uniform density throughout its entire depth and width and shall be approved by the A/E prior to placement of the structure. C. Following this preparation, structural foundations shall be protected from damage as described below: <ul style="list-style-type: none"> 1. The structural foundations shall be protected from damage by heavy loads or equipment moving on tracks or cleats. 2. The contractor shall at all times keep the structural foundations drained.

DRAWING CHANGES:

Item	Description
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1	<p>Drawing C-101 – Demo Plan:</p> <p>A. Delete note “Contractor to remove fence and gravel path in the area of the proposed crane operations”, Substitute “Contractor to remove, salvage and stockpile gravel path materials and fencing in the area of the proposed crane operations, for reinstallation by others.”</p> <p>B. Delete Demolition Note R-3 as written, Substitute “Remove, salvage and stockpile gravel path materials and fencing, for reinstallation by others.”</p>
2	<p>Drawing C-201 – Site Plan:</p> <p>A. Delete detail title “Concrete Pad Detail”, Substitute “Concrete Pad / Sidewalk Detail”.</p> <p>B. Delete detail title “Construction / Expansion Joint Detail”, Substitute “Concrete Pad / Sidewalk Construction / Expansion Joint Detail”.</p> <p>C. Delete detail title “Control Joint Detail”, Substitute “Concrete Pad / Sidewalk Control Joint Detail”.</p> <p>D. Delete note “Contractor to construct 6” concrete pad detail surrounding artillery pad 1 per the sidewalk detail shown on this sheet”, Substitute “Contractor to construct 8” thick concrete pad with 12” turndown detail surrounding artillery pad 1 per the “Concrete Pad/ Sidewalk Detail” shown on this sheet”</p> <p>E. Delete notes (2) “Contractor to construct artillery pad per drawing S101 associated with this project”, Substitute “Contractor to construct artillery pads 2, 3, 4, 6 and 6, per drawing S101, “Foundation Small Pad” and “Section 1/S101”.”</p> <p>F. Gravel path and fencing to be reinstalled by others.</p>
3	<p>Drawing C-202 – Site Plan and Alternate:</p> <p>A. Delete note “Contractor to construct 4” concrete sidewalk at the widths shown on this plan (Detail this sheet”, Substitute “Contractor to construct 8” thick concrete pad with 12” turndown as dimensioned, and 5’-0” wide along three (3) sides of the Bathhouse building, per the “Concrete Pad/ Sidewalk Detail” shown on sheet C201”.</p> <p>B. Gravel path and fencing to be reinstalled by others.</p>
4	<p>Drawing C-402 – Site Grading Plan:</p> <p>A. Gravel path and fencing to be reinstalled by others.</p>
5	<p>Drawing C-403 – Site Grading and Alternates:</p> <p>A. Gravel path and fencing to be reinstalled by others.</p>
6	<p>Drawing C-502 – Post-Construction Sediment and Stormwater Management Plan:</p> <p>A. Gravel path and fencing to be reinstalled by others..</p>
7	<p>Drawing S-101 – Foundation Plan:</p> <p>A. Delete drawing S101 in its entirety, Substitute reformatted drawing S101, no changes, dated 07/02/15.</p>
8	<p>Drawing A-101 – Boardwalk Plans and Section:</p> <p>A. Plan tag missing from framing plan center plan on sheet, should read “2 – Framing Plan, Scale 1” – 20’0” ”.</p>
9	<p>Drawing A-501 – Section Details:</p> <p>A. Add “(TYP)” to the end of Detail 4 Title, to read “Detail (TYP)”.</p> <p>B. Add the following to the end of the note “(2) rows of (5) structural screws” on Detail 4, “Structural screws shall be Simpson Strong-Drive SDWH TIMBER-HEX HDG screws or ½” galvanized lag bolts (lag bolts must be predrilled)”</p> <p>C. Add the following at the end of the note “1/2” galv. Lag bolts” at the 4 x 4 treated wood curb on Detail 4, “Secure 4x4 wood curb with structural screws or lag bolts at 24” o.c.”</p>

END OF ADDENDUM NO. 02

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